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JEWEL-TEX® BLOCK...

EXPOSED AGGREGATE MASONRY—
MODULAR STRUCTURAL UNITS

— for exterior and interior applications —

A.I.A. FILE NO. 10-B

PRECO CHEMICAL CORPORATION
Skyline Drive
Plainview, L. I., N. Y. 11803

JEWEL-TEX® BLOCK

exposed aggregate block for exterior and interior applications

DESCRIPTION

JEWEL-TEX Block embodies all the advantages of mass produced masonry block plus the modern textural beauty of exposed aggregate concrete surfaces for designing economical, contemporary architecture – schools, hospitals, churches, store fronts, garden and feature walls, commercial and industrial buildings.

JEWEL-TEX Blocks are prefinished structural units in standard, lightweight 8 by 16 inch modular sizes, and are produced in a variety of textures and colors. Innumerable types and sizes of aggregates – quartz, granite, marble, pebbles, as well as colored matrices offer a broad spectrum of design possibilities.

The impervious, waterproof surface of JEWEL-TEX resists extreme weathering, freeze-thaw cycles, dirt, soot, stains, chemical contaminants and has permanent non-fading colors.

PRECO JEWEL-TEX Blocks are uniform in aggregate exposure and color, and are held to specified tolerances so that all face planes are exactly parallel, insuring ease of laying with precise jointing.

ADVANTAGES

ALL CONCRETE UNITS – NO PLASTIC BINDERS OR ADHESIVES

Pure Portland cement face mix with natural aggregates has exclusive "wrap-around" design feature which insures permanent bond of facing. All concrete JEWEL-TEX eliminates deterioration as compared to plastic faced concrete blocks with their differing expansion and contraction coefficients, which cause delamination upon weathering.

WEATHER-SEALED JOINTS

The sloped side construction of JEWEL-TEX facings insures that water will flow away from the joints providing optimum sealing.

LOWEST COST EXPOSED AGGREGATE DECOR

Due to the incorporation of inexpensive mass produced structural concrete blocks in its manufacture, JEWEL-TEX offers substantial economy as compared to conventional types of exposed aggregate construction.

EXCEPTIONAL WEATHER AND WATER RESISTANCE

The natural aggregate materials in the exposed face insure foremost weather resistance. The built-in water-proofing properties of PRECO JEWEL-TEX allows vapor transference but holds back the most severe driving storm.

WATER-ABSORPTION TEST

	JEWEL-TEX BLOCK	0.178%
	Standard Concrete Block	3.175%
Results:	JEWEL-TEX Blocks absorbed 1/64th (0.178%) the amount of water as compared to standard concrete block (3.175%).	

DESIGN CONSIDERATIONS

- Block Type — PRECO JEWEL-TEX is produced in lightweight solid and hollow block, 8" by 16" modular face size from 3" to 12" thickness, to meet structural requirements in masonry wall construction, with end caps and bull noses for corners.
- Aggregates — JEWEL-TEX is constructed with varied size aggregates of quartz, granite, marble and pebbles in 15 distinctive colors. Countless color patterns can be obtained by intermixing aggregates.
- Special types — also available in 8" by 16" modular 1" thick slabs for bonding directly to existing surfaces.
- Joints — JEWEL-TEX can be built with joints flush with face or at any depth up to one inch to produce interesting effects. If joint reinforcements are to be used, galvanized steel is recommended.
- Mortar — Non-staining recommended — one part white non-staining Portland cement, one part lime, and six parts sand.

Test Requirements
Block must meet with following resistance requ
with test reports from an independent laborat
submitted before approval is given. Laboratory
approved by architect.

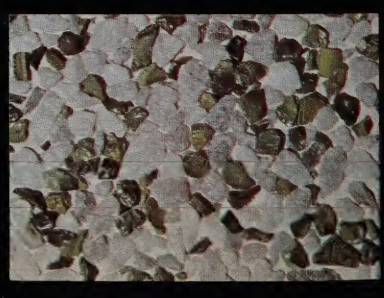
Water Resistance
Exposed aggregate submitted block shall absorb
than .2% moisture after 24 hour submersion in

Chemical and Stain Resistance
Exposed aggregate block shall be resistant to
show staining after 24 hours exposure to the
chemicals:

- coffee
- ink
- Citric acid (15%)
- concentrated ammonia
- urine
- lye
- hydrochloric ac
- oleic acid (15%
- lactic acid (15
- turpentine

FIRE RESISTANCE
Exposed aggregate block shall show no evidenc
bustion when subjected to flammability test —
torch test at temperature of 1600°F.

COLOR COMBINATIONS
(from top and left)
MARGAREE QUARTZ
SHERWOOD GREEN
NAZAREE QUARTZ & YELLOW MATRIX
BANFF BLUE & MORAN YELLOW



Procedure: Both blocks were oven-dried for 24 hours (110°F.), accurately weighed, immersed to depth of ½" in water with JEWEL-TEX facing down for 24 hours. Blocks were then removed from water, lightly patted, and reweighed.

ENDURING BEAUTY WITHOUT MAINTENANCE

Impenetrable PRECO JEWEL-TEX Blocks are self-cleaning – soot, dirt, water, stains and chemicals are "sealed out" providing lasting protection. Natural, gleaming JEWEL-TEX colors retain their full color permanently. There are no plastic binders which chip, craze, chalk to affect color changes.

STAIN TEST

JEWEL-TEX Block after 24 hour exposure to following reagents:

Chemical	*Results*	*Chemical*	*Results*
• coffee	Unaffected	• citric acid (15%)	Unaffected
• ink	Unaffected	• concentrated ammonia	Unaffected
• oil	Unaffected	• hydrochloric acid (15%)	Unaffected
• crayon	Unaffected	• oleic acid (15%)	Unaffected
• urine	Unaffected	• lactic acid (15%)	Unaffected
• lye (15%)	Unaffected	• turpentine	Unaffected

All reagents with exception of lipstick, crayon readily flushed off with running water, leaving no evidence of staining. Remaining lipstick and crayon mechanically entrapped in cracks and fissures of the aggregates were removed with additional brushing without indications of staining.

HIGH FIRE RESISTANCE

The high fire resistance quality of JEWEL-TEX masonry has been attested to according to building codes for substantial load-carrying safety – before, during and after severe fire exposure.

FLAMMABILITY TEST

Results: JEWEL-TEX Block showed no evidence of combustion.

Procedure: JEWEL-TEX Block was subjected to a temperature of 1600°F by means of a torch for 5 minutes.

ESTHETIC VERSATILITY

JEWEL-TEX lends itself to practical architectural designs for every structural purpose. Unlimited patterns can be created by varying treatments of joints and choice of textures. For limitless array of color effects, JEWEL-TEX leads among all other types of building materials for dramatic, attention-getting tasteful architectural effects.

CUTS CONSTRUCTION COSTS

Economical JEWEL-TEX is a one-unit, finished, structural component and is available in a wide variety of aggregate sizes for adaptability to any architectural style. It can be economically applied to all types of construction, such as store fronts, portions of industrial buildings, special design decorative panels where the cost of regular exposed aggregate installations are above budget limitations. Low initial cost, minimum labor erection cost and one-unit wall thickness drastically cuts construction expenditures (approximately one-half the installed cost of conventional exposed aggregate panels).

JEWEL-TEX walls exceed maximum loading requirements. The use of a hollow-core JEWEL-TEX unit simplifies the installation of utilities within the wall.

HIGH-LEVEL ACOUSTIC PROPERTIES

The unusual sound-absorbing qualities make JEWEL-TEX ideal for auditoriums, gymnasiums, classrooms, corridors, apartment houses, and other similar type buildings.

SPECIFICATIONS

JEWEL-TEX Masonry Units as manufactured by Preco licensed block producers.

BLOCK: Shall be top grade units conforming to the latest revision of A.S.T.M. specifications for concrete masonry units. Finished units shall be based on 8" by 16" modular.

Face dimensions shall be 7¾" by 15¾". Types of aggregates, colors of matrix, degree of exposure, etc. shall be selected from standard samples as prepared by the manufacturer for the architect or owner. JEWEL-TEX exposed aggregate block shall be manufactured under license by personnel trained by Preco Chemical Corporation of Westbury, N. Y., with equipment, technical procedures and special material as prescribed and supplied by Preco Chemical Corporation. Finished JEWEL-TEX Block will conform to Preco specifications to insure tolerances of facings, uniformity of aggregate reveal, and chemical staining and physical resistance.

INSTALLATION

Block shall be laid according to parallel planes of its face. Joint width shall be set (¼" at face plane) to maintain 8" by 16" module. In addition, joints shall be smoothly tooled and shall be no deeper than 1" from face plane, as specified.

CLEANING

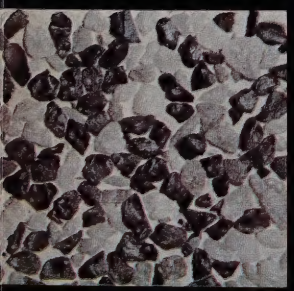
Excess mortar shall be removed from the face with a stiff brush as work progresses and before motar hardens. Before completion, wall shall be cleaned with a masonry type detergent and thoroughly rinsed with clear water. A 5% muriatic acid solution applied with a stiff fiber brush may be used to remove hardened mortar spots.

PACKAGING

Protective individual carton units.

LICENSED MANUFACTURERS

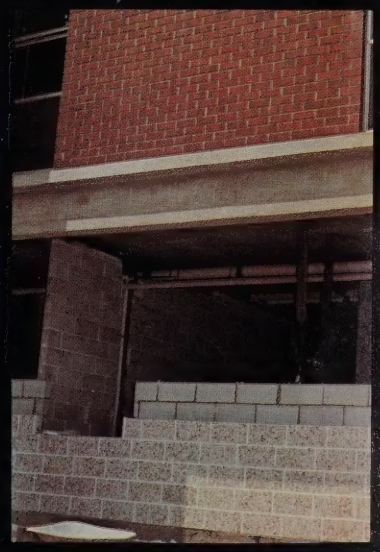
Blocks are manufactured by licensed block producers according to PRECO prescribed specifications which include the technical processes, materials, special equipment and quality control procedures.



AGGREGATE COMBINATIONS
(from left to right)
Top: Nazaree Quartz & Roanoke Rouge, Cape Rouge Granite, Ebony Black & Inverness Quartz
Bottom: Roanoke Rouge & Terre Verte, Sherwood Green & Inverness Quartz, Moran Yellow & Cape Rouge Granite

ENTRANCE HALL, GENERAL OFFICES
ROBERT HALL CLOTHES, N. Y., N. Y.

RESIDENCE, LIDO BEACH, N. Y.
Architects: Mascioni & Corbelletti



WOODBRIDGE SENIOR CITIZENS HOUSING
ISELIN, N. J. Architect: Emanuel Turano

STOP DISCOLORATION AND STAINING OF AGGREGATE PANELS

E.A.-SEALER permanently retains the natural beauty of exposed aggregate concrete panels.

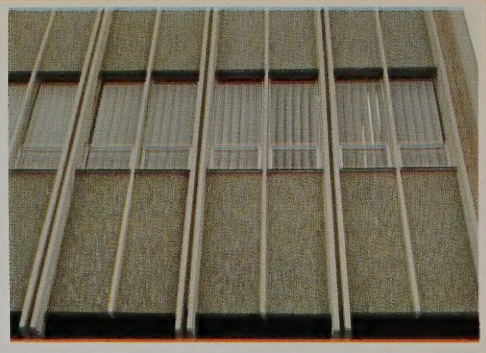
LET THE ELEMENTS DO THE HOUSECLEANING

Walls coated with E.A.-SEALER are washed by rains and dusted by winds, as Preco's E.A.-SEALER encloses precast aggregate concrete panels in a protective overcoat.

Precast panels, treated with E.A.-SEALER at the factory, come to the jobsite pre-sealed, waterproof, dirtproof and chemical resistant. Staining, dulling, discoloration, freeze-thaw and moisture damage to the matrix is eliminated.

The new appearance of a building can be permanently assured by this small investment . . . just a few pennies per square foot. The owner can forget about steam-cleaning and sandblasting, even in the filthiest industrial or urban atmosphere.

E.A.-SEALER enriches and retains the original colors of the natural aggregates and matrix indefinitely . . . will never fade, yellow, chip or peel.



BROADCAST HOUSE — WTIC — CHANNEL 3 — HARTFORD, CONN.
E.A.-SEALER retains the original beauty of the exposed aggregates for many years, eliminating the expense of steam-cleaning. BROADCAST HOUSE, in Hartford, Conn., completely sealed with E.A.-SEALER to eliminate leaks, seepage and moisture damage due to the freeze/thaw cycle.

Specify E.A.-SEALER for newly produced exposed aggregate panels.

Existing buildings also can be protected and weatherproofed and all exposed aggregate surfaces can be permanently sealed and dirt-proofed with E.A.-SEALER.

OTHER PRECO PRODUCTS INCLUDE:

FLOOR FINISHES & RESURFACINGS

ARMOR-CRETE — a premixed topping formulated of epoxy thermosetting resins and abrasive-resistant aggregates ready for trowel application — develops to a thick, seamless, impenetrable non-slip finish and withstands heaviest traffic and chemical attack. ARMOR-CRETE bonds permanently.

LIQUI-STEEL—tough, virtually indestructible epoxy finish, covers all surfaces, provides absolute resistance to acids, greases, oils, water — low cost, in colors.

PRECO-SEAL—an epoxy coating for dustproofing concrete floors. It is quick-drying, fills pores with a clear, rock-hard smooth finish.

PRECO-TILE — a thick, heavy-duty, self-leveling, thermosetting epoxy based liquid — fills in spalled areas, cavities, cracks, surface irregularities and produces a smooth, glossy, seamless finish resistant to chemicals, oils, greases, acids, alkalis and water.

TITE-BOND — a leveling, patching and resurfacing compound — economically repairs broken surfaces, cracks, and irregular depressions. TITE-BOND is available in Concrete Gray and Tile Red colors, cures overnight and takes rugged traffic abuse.

WALL COATINGS & WATERPROOFINGS

BRUSH-BOND — Brush applied waterproof and decorative coating for precast and poured concrete, block, brick, and all exterior or interior masonry surfaces. Fills and seals and forms a permanent bond to any surface.

CERAMIX — a thick vitreous wall surfacing in textured or smooth finish with spattered or solid color effects — is a maintenance-free, low-cost, very hard protective coating used in processing areas, corridors, stairwells, lobbies, washrooms, etc., for old and new interior or exterior construction. It is unaffected by chemical, oxidation, antiseptics or atmospheric conditions.

COLOR-BRITE — a coating for lasting waterproofing of interior/exterior masonry.

PLIOTONE — a highly resilient, synthetic rubber, waterproof coating in textured and smooth finishes — is used for decorating, resurfacing and completely weatherproofing interior and exterior masonry surfaces.

SILIPRUF — clear silicone, waterproofs masonry while allowing it to breathe.

ADMIXTURES, ADHESIVES & SEALANTS

CALROK — an admixture that provides a uniform set and waterproofs concrete. It reduces bleeding, cracking and shrinking.

ROCKWELD C — an adhesive for bonding concrete and terrazzo to existing concrete and other structural materials.

THIOSEAL — a caulking and sealant — produces permanent, flexible joints.

PRECO

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